QK211
.G44

THE PLANTS OF THE EASTERN COAST OF LAKE HURON,

AND THEIR DISTRIBUTION THROUGH THE NORTHERN AND WESTERN PORTIONS OF BRITISH NORTH AMERICA.

BY JOHN GIBSON, B.A., F.G.S., F.B.S.E.; AND
JOHN MACOUN, M.A., *Botanist to the British Columbia Exploring Expedition of 1875.*

The following lists of plants collected or observed upon the eastern coast of Lake Huron, and the southern and western shores of the Georgian Bay, with their eastern and western ranges indicated by a dash (—) in the respective columns, though necessarily very imperfect in detail, are presented to the botanists of Ontario in the hope that they may be of service in elucidating some points in the Geographical Botany of Canada.

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
RANUNCULACEÆ.			
Clematis Virginiana, L.	—	—	Rocky Mountains.
Anemone Virginiana, L.	—	—	"
" Pennsylvanica, L.	—	—	"
" nemorosa, L.	—	—	"
Hepatica triloba, Chaix.	—		Sitka Sound.
" acutiloba, D. C.	—		"
Thalictrum anemonoides, Mx.			
" dioicum, L.	—	—	Vancouver's Island.
" Cornuti, L.	—	—	Peace River valley.
Ranunculus aquatilis, L., var. trichophyllus, Chx.	—	—	Rocky Mountains.
" multifidus, Pursh.	—		Kotzebue's Sound.
" Flammula, L., var. reptans.	—	—	
" rhomboideus, Goldie.	—	—	
" abortivus, L.	—	—	North-West to lat. 57°.
" sceleratus, L.	—	—	McKenzie River to lat. 67° N.
" recurvatus, Poir.	—	—	Unalaska.
" Pennsylvanicus, L.	—	—	Pacific coast.
" fascicularis, Muhl.	—		
" repens, L.	—	—	Peace River valley.
" acris, L.	—	—	Vancouver's Island.
Caltha palustris, L.	—	—	Pacific coast.
Coptis trifolia, Salisb.	—	—	Sitka and Unalaska.
Aquilegia Canadensis, L.	—	—	Rocky Mountains.
Actæa spicata, L., var. rubra.	—	—	"
" alba, Bigel.	—	—	"

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
MAGNOLIACEÆ.			
Liriodendron Tulipifera, L.			
MENISPERMACEÆ.			
Menispermum Canadense, L.	—		Saskatchewan plains.
BERBERIDACEÆ.			
Caulophyllum thalictroides, Mx.	—		
Podophyllum peltatum, L.	—		
NYMPHÆACEÆ.			
Brasenia peltata, Pursh.	—		
Nymphæa odorata, Ait.	—	—	Rocky Mountains.
Nuphar advena, Ait.	—	—	Pacific coast.
SARRACENIACEÆ.			
Sarracenia purpurea, L.	—	—	Peace River valley.
PAPAVERACEÆ.			
Chelidonium magus, L.	—		
Sanguinaria Canadensis, L.	—		Saskatchewan plains.
FUMARIACEÆ.			
Adlumia cirrhosa, Raf.	—		
Dicentra cucullaria, D. C.	—		North-West America.
" Canadensis, D. C,	—		
Corydalis glauca, Pursh.	—	—	Upper British Columbia.
" aurea, Willd.	—	—	Rocky Mountains.
CRUCIFERÆ.			
Nasturtium officinale, R. Br.	—		N. W. coast of America.
" palustre, D. C.	—	—	Pacific coast.
Dentaria diphylla, L.	—		
" laciniata, Muhl.	—		
Cardamine rhomboidea, D. C., var., purpurea, Torr.	—		
" pratensis, L.	—		North-West America.
" hirsuta, L.	—	—	Pacific coast.
Arabis lyrata, L.		—	
" hirsuta, D. C.	—	—	Peace River valley.
" lævigata, D. C.	—		
" Canadensis, L.	—		
" perfoliata, L.	—	—	Rocky Mountains.
" Drummondii, Graham.	—	—	Pacific coast.
Barbarea vulgaris, R. Br.		—	Pacific coast.
Erysimum cheiranthoides, L.	—	—	Pacific coast.
Sisymbrium officinale, Scop.	—		Vancouver's Island.
" canescens, Nutt.		—	Rocky Mountains.
Brassica Sinapistrum, Bois.	—	—	
Camelina sativa, Crantz.	—		
Capsella bursa-pastoris, Moench	—	—	Vancouver's Island.
Lepidium Virginicum, L.	—	—	Rocky Mountains.
" intermedium, Gray.	—	—	

QK261
.C644

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
VIOLACEÆ.			
Viola lanceolata, L.		—	
" blanda, Willd.	—	—	Peace River valley.
" cucullata, Ait.	—	—	Arctic America.
" sagittata, Ait.	—		
" canina, L. var. sylvestris, Reg.	—	—	
" rostrata, Pursh.	—		McKenzie River, lat. 59° N.
" Canadensis, L.	—	—	Pacific coast.
" pubescens, Ait.	—		Saskatchewan plains.
CISTACEÆ.			
Helianthemum Canadense, Michx.	—	—	Saskatchewan plains.
Lechea minor, Lane.	—		
Hudsonia tomentosa, Nutt.		—	Little Slave Lake.
DROSERACEÆ.			
Drosera rotundifolia, L.	—	—	Unalaska, Pacific coast.
" longifolia, L.	—	—	
" linearis, Goldie.		—	Jaspar Lake, Rocky Mts.
HYPERICACEÆ.			
Hypericum Canadense, L.	—		
" corymbosum, Muhl.	—		
" ellipticum, Hooker.	—	—	
" Kalmianum, L.			
" mutilum, L.	—	—	
" perforatum, L.	—		
" pyramidatum, Ait.	—		Saskatchewan plains.
Elodea Virginica, Nutt.	—	—	
CARYOPHYLLACEÆ.			
Saponaria officinalis, L.	—		
Vaccaria vulgaris, Host.	—		
Silene antirrhina, L.	—	—	Pacific coast.
" noctiflora. L.	—		
Agrostemma Githago, L.	—		
Lychnis vespertina, Sibth.	—		
Arenaria serpyllifolia, L.	—		
" stricta, Michx.	—	—	Arctic Sea.
" lateriflora, Fenzl.	—		Arctic coast.
Stellaria media, Smith.	—	—	Little Slave Lake.
" longifolia, Muhl.	—		Sitka Sound.
" borealis, Bigelow.	—	—	Arctic America.
Cerastium vulgatum, L.	—	—	
" viscosum, L.	—		
" arvense, L.	—	—	Pacific coast, Oregon.
PORTULACACEÆ.			
Portulaca oleracea, L.		—	Fort Francis, Dawson route.
Claytonia Virginica, L.	—		
" Carolineana, Michx.	—		Rocky Mountains.

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
MALVACEÆ.			
Malva rotundifolia, L.	—		
" moschata, L.	—		
Abutilon Avicennæ, Gaertn.	—		
TILIACEÆ.			
Tilia Americana, L.	—		Rainy River, Dawson route
LINACEÆ.			
Linum usitatissimum, L.	—		
" striatum, Walt.			
GERANIACEÆ.			
Geranium maculatum, L.	—		
" Robertianum, L.	—		
" Carolinianum.	—	—	W. of Rocky Mts. lat. 55° N
Impatiens pallida, Nutt.	—		Pacific coast, Oregon.
" fulva, Nutt.	—	—	British America, lat. 66° N
Oxalis Acetosella, L.	—		
" stricta, L.	—		West of Rocky Mountains
RUTACEÆ.			
Xanthoxylum Americanum, Mill.	—		
ANACARDIACEÆ.			
Rhus typhina, L.	—		
" glabra, L.	—		Saskatchewan plains.
" Toxicodendron, L.	—		N. W. America, Rocky Mts.
" aromatica, Ait.	—		Saskatchewan River.
VITACEÆ.			
Vitis cordifolia, Michx.	—		
" riparia, Michx.			
Ampelopsis quinquefolia, Michx.	—	—	
RHAMNACEÆ.			
Rhamnus alnifolius, L'Her.	—	—	Hudson's Bay.
Ceanothus Americanus, L.	—		
" ovalis, Bigel.	—	—	
CELASTRACEÆ.			
Celastrus scandens, L.	—		
Euonymus atropurpureus, Jacq.			
" Americanus, L., var. obovatus.			
SAPINDACEÆ.			
Staphylea trifolia, L.	—		
Acer Pennsylvanicum, L.	—	—	British America, lat. 51° N.
" spicatum, Lam.	—	—	British America, lat. 51° N.
" saccharinum, Wang.	—	—	
" dasycarpum, Ehr.	—		
" rubrum, L.	—	—	Oregon.

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
POLYGALACEÆ.			
Polygala Senega, L.	—		Saskatchewan plains.
" paucifolia, Willd.	—		Saskatchewan plains.
" polygama, Walt.	—		
LEGUMINOSÆ.			
Lupinus perennis, L.	—		Behring's Strait and Arctic c.
Trifolium pratense, L.	—	—	
" hybridum.	—		
" repens, L.	—	—	
Melilotus alba, Lam.	—		
Medicago sativa L.	—		
" lupulina, L.	—		
Robinia Pseudacacia, L.	—		
" viscosa. Bent.	—		
Astragalus Canadensis, L.	—	—	Rocky Mountains, lat. 58° N.
" Cooperi, Gray.	—		
Desmodium nudiflorum, D. C.			
" acuminatum, D. C.			
" cuspidatum, L. & G.	—		
" Canadense, D. C.	—		
Lespedeza hirta, Ell.	—		
" capitata, Michx.	—		
Vicia sativa, L.	—		
" Americana, Muhl.		—	Rocky Mountains, lat. 67°, N.
Lathyrus maritimus, Bigel.	—	—	Kotzebue's Sound, Arctic Am.
" ochroleucus, Hook.	—	—	Bear Lake, lat. 67°, N.
" palustris, L.	—	—	Oregon and N. to lat. 55° N.
" palustris, L., var. myrtifolius.	—		
Apios tuberosa, Moench.	—		Woods of the Rocky Mts.
Amphicarpæa monoica, Nutt.	—	—	
ROSACEÆ.			
Prunus Americana, Marsh.	—	—	Saskatchewan valley.
" pumila, L.	—	—	Saskatchewan & Hudson's Bay.
" Pennsylvanica, L.	—	—	Rocky Mountains, lat. 57° N.
" Virginiana, L.	—	—	Great Slave Lake, lat. 62°, and [west to the Rocky Mts.
" serotina, Ehr.	—		
Spiræa opulifolia, L.		—	Saskatchewan plains.
" salicifolia, L.	—	—	Saskatchewan plains.
Agrimonia Eupatoria, L.	—	—	
Geum album, Gmelin.	—		
" strictum, Ait.	—	—	Rocky Mountains, lat. 56° N.
" rivale, L.	—	—	Rocky Mountains, lat. 56° N.
" triflorum, Pursh.	—		Rocky Mountains, lat. 56° N.
Waldsteinia fragarioides, Tratt.	—		
Potentilla Norvegica, L.	—	—	Arctic America to Sitka Sound
" Canadensis, L.	—		
" argentea, L.	—		
" arguta, Pursh	—	—	Rocky Mountains, lat. 65° N.
" anserina, L.	—	—	Arctic America to Pacific c.
" fruticosa, L.	—	—	Kotzebue's Sound.
" palustris, Scop.	—	—	Pacific coast, Kotzebue's Sound

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
Fragaria Virginiana, Ehrh.	—	—	North-West coast, lat. 64° N.
" vesca, L.	—	—	North-West coast, lat. 64° N.
Dalibarda repens, L.	—		
Rubus odoratus, L.	—		Saskatchewan plains.
" triflorus, Rich.	—	—	Rocky Mountains, lat. 56° N.
" strigosus, Michx.	—	—	Rocky Mountains, lat. 56° N.
" neglectus, Peck.	—		
" occidentalis, L.	—		
" villosus, Ait.	—		
" hispidus, L.	—		
Rosa Carolina, L.	—		
" blanda, Ait.	—	—	Bear Lake, lat. 67° N.
" rubiginosa, L.	—		
Cratægus coccinea, L.	—	—	
" tomentosa, L. var. punctata, Gray.	—	—	
" Crus-Galli, L.			
Pyrus coronaria, L.			
" arbutifolia, L., var. melanocarpa, Gray.	—	—	Saskatchewan plains.
" Americana, D. C.	—	—	Sub-Arctic America & N.W. c.
Amelanchier Canadensis, T. & G., var. Botryapium, Gray.	—	—	Sub-Arctic America.
" var. oblongifolia, Gray.	—	—	Sub-Arctic America, lat. 56° N.
SAXIFRAGACEÆ.			
Ribes Cynosbati, L.	—	—	Rocky Mountains.
" hirtellum, Michx.	—	—	Saskatchewan plains.
" lacustre, Poir.	—	—	N. and W. to the Arctic circle.
" prostratum, L'Her.	—	—	W. America to lat. 57° N.
" floridum, L.	—	—	Rocky Mountains, lat. 56° N.
" rubrum, L.	—	—	North of the Arctic circle.
" oxyacanthoides, L.		—	Rocky Mountains, lat. 56° N.
" Parnassia parviflora, D. C.		—	Rocky Mountains, lat. 53° N.
" Caroliniana, Mx.	—		
Saxifraga Virginiensis, Mx.	—	—	Rocky Mountains, lat. 56° N.
Mitella diphylla, L.	—		
" nuda, L.	—	—	West of Rocky Mountains, and [Arctic Sea.
Tiarella cordifolia, L.	—		
Chrysosplenium Americanum, L.	—		Saskatchewan valley.
CRASSULACEÆ.			
Penthorum sedoides, L.	—		
Sedum Telephium, L.	—		
HAMAMELACEÆ.			
Hamamelis Virginica, L.	—		
HALORAGEÆ.			
Myriophyllum spicatum, L.	—	—	Bear Lake, lat. 57° N.
" heterophyllum, Mx.	—		
Proserpinaca palustris, L.			
Hippuris vulgaris, L.	—	—	Sub-Arctic America, Sitka Sd.

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
ONAGRACEÆ.			
Circæa Lutetiana, L.	—		
" Alpina, L.	—	—	
Epilobium augustifolium, L.	—	—	Arctic America to lat. 69° N.
" var. canescens. Wood.	—		
" palustre, var. lineare.	—	—	Arctic America.
" coloratum, Muhl.	—	—	Rocky Mountains, lat. 56° N.
" paniculatum, Nutt.			Straits of De Fuca, Pacific c.
Œnothera biennis, L.,			
var. muricata, Gray.	—	—	Rocky Mountains, lat. 56° N.
var. grandiflora, Gray.	—	—	Rocky Mountains, lat. 56° N.
Œnothera pumila, L.	—		Hudson's Bay.
Ludwigia palustris.	—		Saskatchewan plains.
UMBELLIFERÆ.			
Hydrocotyle Americana, L.	—		
Sanicula Marilandica, L.	—	—	Oregon ; Pacific c. lat 56° N.
Daucus Carota, L.	—		
Heracleum lanatum, Mx.	—	—	Rocky Mts. and Pacific coast.
Pastinaca sativa, L.	—		
Archangelica atropurpurea, Hof.	—	—	
Thaspium aureum, Nutt, var.,			
apterum, Gray.	—		
Zizia integerrima, D. C.	—		
Cicuta maculata, L.	—		Oregon, Pacific coast.
" bulbifera, L.	—		
Sium lineare, Michx.	—	—	Lake of Woods, Dawson route.
Cryptotenia Canadensis, D. C.	—		
Osmorrhiza longistylis, D. C.	—	—	Rocky Mountains, lat. 56° N.
" brevistylis, D. C.	—	—	Oregon, Sitka, Unalaska.
Erigenia bulbosa, Nutt.			
ARALIACEÆ.			
Aralia racemosa, L.	—		Rocky Mountains, lat. 54° N.
" hispida, Michx.	—	—	Hudson's Bay. Lake of Woods.
" nudicaulis, L.	—	—	Peace River valley, lat. 56° N.
" quinquefolia, Gray.	—		
" trifolia, Gray.	—		
CORNACEÆ.			
Cornus Canadensis, L.	—	—	Pacific coast, Unalaska.
" florida, L.			
" circinata, L'Her.	—	—	Lake of Woods, Dawson route.
" sericea, L.	—		N. W. coast, Vancouver's Isl.
" stolonifera, L.	—	—	Rocky Mts. & McKenzie River.
" paniculata, L'Her.	—		
" alternifolia, L.	—	—	Lake of the Woods.
CAPRIFOLIACEÆ.			
Linnæa borealis, Gronov.	—	—	Arctic circle, Kotzebue's Sd.
Symphoricarpus racemosus, Mx.	—	—	North-West coast.
Lonicera parviflora, Lam.	—		Rocky Mountains, lat. 53° N.
" " var. Douglasii.		—	Rocky Mountains, lat. 56° N.
" hirsuta, Eaton.	—	—	Edmonton, on Saskatchew. R.

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
Lonicera ciliata, Muhl.	—	—	Saskatchewan valley.
" oblongifolia, Muhl.	—	—	Saskatchewan valley.
Diervilla trifida, Mœnch.	—	—	Rocky Mts. & Hudson's Bay.
Triosteum perfoliatum, L.	—		
Sambucus Canadensis, L.	—		
" pubens, Michx.	—	—	Rocky Mts. Oregon and Setka.
Viburnum Lentago, L.	—		Saskatchewan valley.
" pubescens, Pursh.	—	—	Lake Winipeg, lat. 51° N.
" acerifolium, L.	—		
" Opulus, L.	—	—	Arctic circle and Rocky Mts.
RUBIACEÆ.			
Galium Aparine, L.	—		Oregon, Pacific coast.
" asprellum, Michx.	—	—	Lake of Woods, Dawson route.
" trifidum, L.	—	—	Oregon, Unalaska, Sitka.
" triflorum, Michx.	—	—	Unalaska, Sitka, Oregon, Cal.
" lanceolatum, Torrey.	—		
" boreale, L.	—	—	Oregon, North to Arctic circle.
Cephalanthus occidentalis, L.	—		
Mitchella repens, L.	—		
Houstonia purpurea, L., var. longifolia, Gray.	—	—	Saskatchewan valley.
Valeriana edulis, Nutt.			Oregon and the Rocky Mts.
COMPOSITÆ.			
Liatris cylindracea, Michx.	—		North-West Territory.
" squarrosa, Willd.		—	Edmonton, on Saskatchewan.
Eupatorium purpureum, L.	—	—	Saskatchewan valley.
" perfoliatum, L.	—		
" ageratoides, L.	—		
Aster corymbosus, Ait.	—	—	
" macrophyllus, L.	—	—	Saskatchewan valley.
" lævis, var. lævigatus, T. & G.			Lake of the Woods and Saskatchewan River.
" lævis, var. cyaneus, T. & G.			Saskatchewan valley.
" azureus, Lindley.	—		
" undulatus, L.	—		
" sagittifolius, Willd.	—	—	
" cordifolius, L.	—		
" borealis, Provancher.	—		Saskatchewan valley.
" multiflorus, Ait.	—		Rocky Mountains, lat. 56° N.
" miser, L., Ait.	—		
" simplex, Willd.	—		
" puniceus, L.	—	—	Hudson's Bay to Rocky Mts.
" Novæ-Angliæ, L.	—		
" ptarmicoides, T. & G.	—	—	Saskatchewan valley.
Erigeron Canadense, L.	—	—	Saskatchewan valley.
" Philadelphicum, L.	—	—	Arctic circle, Behring's Strait.
" annuum, Pers.	—		
" strigosum, Muhl.	—	—	Oregon.
Diplopappus umbellatus, T. & G.	—	—	
Solidago bicolor, L.	—	—	Saskatchewan valley.
" latifolia, L.	—		

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
Solidago cæsia, L.	—		
" stricta, Ait.	—	—	Hudson's Bay & McKenzie Riv.
" Houghtonii, T. & G.			
" arguta, Ait.	—	—	Sub-Arctic America.
" Muhlenbergii, T. & G.	—		
" altissima, L.	—	—	
" nemoralis, Ait.	—	—	Saskatchewan valley.
" Canadensis, L.	—	—	Sub-Arctic America to Oregon.
" serotina, Ait.	—	—	Sub-Arctic America to Oregon.
" lanceolata, L.	—	—	Sub-Arctic America.
Inula Helenium, L.	—		
Ambrosia artemisiæfolia, L.	—		
Rudbeckia hirta, L.	—	—	Saskatchewan plains.
Helianthus strumosus, L.	—		
" divaricatus, L.	—		Saskatchewan plains.
" decapetalus, L.	—		
Coreopsis lanceolata, L.		—	
Bidens frondosa, L.	—		
" connata, Muhl.	—		
" chrysanthemoides, Mx.	—	—	Little Slave Lake, lat. 54° N.
" Beckii, Torrey.	—		
Helenium autumnale, L.	—		Sub-Arctic America to Oregon.
Maruta Cotula, D. C.	—		
Achillea Millefolium, L.	—	—	Rocky Mts. to Arctic circle.
Leucanthemum vulgare, Lam.	—	—	Oregon.
Tanacetum vulgare, L.	—		
" Huronense, Nutt.		—	Hudson's Bay West to Oregon.
Artemisia vulgaris, L.	—		
" Canadensis, Mx.	—	—	Oregon to the Arctic circle.
" biennis, Willd.	—		McKenzie River & Rocky Mts.
" Absinthium, L.	—		
Gnaphalium decurrens. Ives.	—	—	
" polycephalum, Michx.	—		
" uliginosum, L.	—		Oregon.
Antennaria margaritacea, R. Br.	—		Rocky Mts. Unalaska & Oregon.
" plantaginifolia, Hook.	—	—	Rocky Mountains.
Erechthites hieracifolia, Raf.	—		Saskatchewan valley.
Cacalia tuberosa, Nutt.			
Senecio vulgaris, L.	—		Hudson's Bay.
" aureus, L., var. lanceolatus.	—	—	Rocky Mountains.
Centaurea Cyanus, L.	—		
Cirsium lanceolatum, Scop.	—		
" undulatum, Spreng			Oregon.
" discolor, Spreng.	—		
" muticum, Michx.	—	—	Saskatchewan valley.
" arvense, Scop.	—	—	Saskatchewan valley.
Lappa major, Gærtn.	—	—	
Lapsana communis, L.	—	—	
Cichorium Intybus, L.	—	—	
Hieracium Canadense, Michx.	—	—	McKenzie River, lat. 66° N. to [Oregon.
" scabrum, Michx.	—	—	
Nabalus albus, Hooker.	—	—	
" altissimus, Hooker.	—	—	

	Eastern Ontario	Lake Superior	Western and North-western Extension.
Nabalus racemosus, Hooker.			N. to lat. 56° in Peace River v.
Taraxacum Dens-leonis, Desf.	—	—	Pacific coast.
Lactuca elongata, Muhl.	—	—	Saskatchewan valley.
Mulgedium leucophæum, D. C.	—	—	Oregon and Saskatchewan v.
Sonchus oleraceus, L.	—	—	Saskatchewan valley.
" asper, Vill.	—	—	Oregon.
LOBELIACEÆ.			
Lobelia cardinalis, L.	—		Saskatchewan valley.
" syphilitica, L.	—		
" inflata, L.	—		Saskatchewan v. & Hud. Bay.
" spicata, Lam.	—		Peace River valley, lat. 56° N.
" Kalmii, L.	—	—	N. to lat. 60°, McKenzie River.
CAMPANULACEÆ.			
Campanula rotundifolia, L.	—	—	N. to lat. 64°, McKenzie River.
" var. linifolia, Gray.		—	North-West coast to lat. 64°.
" aparinoides, Pursh.	—	—	Saskatchewan valley.
" Americana, L.			
ERICACEÆ			
Gaylussacia resinosa, T. & G.	—		Saskatchewan valley.
Vaccinium Oxycoccus, L.	—	—	Rocky Mountains, lat. 56° N.
" macrocarpon, Ait.	—	—	Pacific coast.
" Pennsylvanicum, L.	—	—	Saskatchewan valley.
" Canadense, Kalm.			
" Corymbosum, L.	—		
Chiogenes hispidula, T. & G.	—	—	Rocky Mt. summits, lat. 54° N.
Arctostaphylus Uva-ursi, Ep.	—	—	Pacific coast.
Epigaea repens, L.	—	—	Saskatchewan plains.
Gaultheria procumbens, L.	—		
Cassandra calyculata, Don.	—	—	N. to lat. 60°, & W. to Rocky Mts.
Andromeda polifolia, L.	—	—	Arctic sea shore.
Kalmia glauca, Ait	—	—	N. to lat. 60°, and near Pacific c.
Ledum latifolium, Ait.	—	—	Pacific coast to lat. 59° N.
Pyrola rotundifolia, L., var. [uliginosa, Gray.	—	—	Bear Lake, lat. 67° N.
" rotundifolia, L., var. [asarifolia, Gray.	—	—	Bear Lake, lat. 67° N.
" elliptica, Nutt.	—		Saskatchewan valley.
" chlorantha, Swartz.	—	—	Bear Lake, lat. 67° N.
" secunda, L.	—	—	Shores of Pacific.
Moneses uniflora, Gray.	—	—	N. to lat. 64°, & W. to Vancouver.
Chimaphila umbellata, Nutt.	—	—	Rocky Mountains in lat. 53° N.
Monotropa uniflora, L.	—	—	
Monotropa Hypopitys, L.	—		
AQUIFOLIACEÆ.			
Ilex verticillata, Gray.	—		
Nemopanthes Canadensis, D. C.	—	—	
PLANTAGINACEÆ.			
Plantago major, L.	—	—	N. to lat 68° on the McKenzie.
" lanceolata, L.	—		

	Eastern Ontario.	Lake Sup'rior.	Western and North-western Extension.
PRIMULACEÆ.			
Primula farinosa, L.		—	N. to lat. 56° on the McKenzie.
" Mistassinica, Michx.		—	Great Bear Lake, lat. 67° N.
Trientalis Americana, Pursh.	—	—	Saskatchewan valley.
Lysimachia thyrsiflora, L.	—	—	McKenzie River, lat. 60° N.
" stricta, Ait.	—	—	Saskatchewan valley.
" quadrifolia, Ait.	—		
" ciliata, L.	—	—	Puget Sound, Pacific coast.
" longifolia, Pursh.			
Samolus Valerandi, L., var. Americanus, Gray.	—		North-West coast.
LENTIBULACEÆ.			
Utricularia vulgaris, L.	—	—	Lakes near the Rocky Mts.
" intermedia, Hayne.	—	—	Bear Lake, lat. 67° N. & Rocky Mountains.
" cornuta, Michx.		—	McKenzie River, lat. 60° N.
Pinguicula vulgaris, L.			
OROBANCHACEÆ.			
Epiphegus Virginiana, Bart.	—		
Conopholis Americana, Wallr.	—		
SOROPHULARIACEÆ.			
Verbascum Thapsus, L.	—		Saskatchewan valley.
" Blattaria, L.	—		
Linaria vulgaris, Mill.	—		
Scrophularia nodosa, L.	—		Pacific coast.
Chelone glabra, L.	—		
Penstemon pubescens, Solander.	—		
Mimulus ringens, L.	—	—	Saskatchewan valley.
Gratiola Virginiana, L.	—		North-West coast.
Ilysanthes gratioloides, Benth.	—		
Veronica Anagallis, L.	—		Rocky Mountains, lat. 56° N.
" Virginica, L., Gore Bay. (Dr. Bell).			
" Americana, Schwein.	—	—	Norway House, Lake Winipeg.
" Scutellata, L.	—	—	North-West coast.
" serpyllifolia, L.	—	—	Sitka and Unalaska.
" peregrina, L.	—	—	McKenzie River to Unalaska.
" arvensis, L.	—		
Gerardia purpurea, L.	—		Saskatchewan valley.
" aspera. Doug. (Dr. John Bell).			Eastern flanks of Rocky Mts.
" flava, L.			
" quercifolia, Pursh.			
Castilleia coccinea, Spreng.	—	—	Saskatchewan valley.
Pedicularis Canadensis, L.	—		Lake Winipeg.
Melampyrum Americanum, Mx.	—	—	Peace River valley, lat. 56° N.
VERBENACEÆ.			
Verbena hastata, L.		—	Saskatchewan valley.
" urticifolia, L.		—	Saskatchewan valley.
Phryma Leptostachya, L.		—	

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
LABIATÆ.			
Teucrium Canadense, L. (R. aux Sables).	—		
Mentha viridis, L.	—		
" piperita, L.	—	—	
" Canadensis, L.	—	—	McKenzie River & Rocky Mts.
Lycopus Virginicus, L.	—	—	Saskatchewan valley.
" Europæus, L., var. sinuatus.	—	—	North-West coast of America.
Satureia hortensis, L.	—		
Calamintha glabella, Benth. var. Nuttallii, Gray.			
Calamintha Clinopodium, Benth.	—	—	Norway House, Lake Winipeg.
Collinsonia Canadensis, L.			
Monarda didyma, L.			
Monarda fistulosa, L.	—	—	Rocky Mountains, lat. 56° N.
Nepeta Cataria, L.	—	—	Little Slave Lake.
Brunella vulgaris, L.	—	—	North-West coast.
Scutellaria parvula, Michx.	—		Saskatchewan valley.
" galericulata, L.	—	—	McKenzie River to Pacific c.
" lateriflora, L.	—	—	North-West America.
" versicolor, ? Nutt. (Dr. Bell).			
Marrubium vulgare, L.	—		
Galeopsis Tetrahit, L.	—	—	
Stachys palustris, L. var. aspera, Gr.	—	—	N. W. America & McKenzie R.
Leonurus Cardiaca, L.	—		Norway House, Lake Winipeg,
BORRAGINACEÆ			
Echium vulgare, L.	—		
Symphytum officinale, L.	—		
Onosmodium Carolinianum, D.C.	—		
Lithospermum arvense, L.	—		
" hirtum, Lehm.	—	—	
Myosotis palustris, With. var. laxa.	—		
Echinospermum Lappula, Lehm.	—		North-West Pacific coast.
Cynoglossum officinale, L.	—	—	Saskatchewan valley.
" Virginicum, L.	—	—	Rocky Mountains, lat. 53° N.
" Morisoni, D. C.	—	—	Rocky Mountains, lat. 56° N.
HYDROPHYLLACEÆ.			
Hydrophyllum Virginicum, L.	—		North-West Pacific coast.
" Canadense, L.			
POLEMONIACEÆ.			
Phlox divaricata, L.	—		
CONVOLVULACEÆ.			
Calystegia sepium, R. Br.	—	—	Rocky Mountains, lat. 53° N.
Calystegia spithamea, Pursh.	—	—	Saskatchewan valley.
Cuscuta Gronovii, Willd.	—		

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
SOLANACEÆ.			
Solanum Dulcamara, L.	—		
" nigrum, L.	—		North-West Pacific coast.
Physalis grandiflora, Hooker.	—	—	Saskatchewan River.
" viscosa, L.			
Datura Stramonium, L.	—		
GENTIANACEÆ.			
Halenia deflexa, Grisch.		—	Rocky Mountains, lat. 56° N.
Gentiana crinita, Froel.	—		
" detonsa, Fries.			Bear Lake and Arctic Sea shore
" alba, Muhl.	—	—	
" Andrewsii, Grisch.	—		
" Saponaria, L. var. linearis.		—	
Menyanthes trifoliata, L.	—	—	Rocky Mts. and N. W. coast.
APOCYNACEÆ.			
Apocynum androsæmifolium, L.	—	—	Hudson's Bay.
" Cannabinum, L.	—	—	Pacific coast in N. W. America.
ASCLEPIADACEÆ.			
Asclepias Cornuti, Decaisne.	—		Saskatchewan valley.
" phytolaccoides, Pursh.	—		
" incarnata, L.	—		Saskatchewan valley.
" tuberosa, L.	—		Carleton House, Saskatchewan.
OLEACEÆ.			
Fraxinus Americana, L.	—		Saskatchewan valley.
" pubescens, Lam.	—	—	Saskatchewan valley.
" Sambucifolia, Lam.	—	—	Saskatchewan valley.
ARISTOLOCHIACEÆ.			
Asarum Canadense, L.	—	—	Pacific coast.
PHYTOLACCACEÆ.			
Phytolacca decandra, L.	—		
CHENOPODIACEÆ.			
Chenopodium album, L.	—	—	Bear Lake, lat. 67° N.
" hybridum, L.	—	—	Bear Lake, lat. 67° N.
" urbicum, L.	—		
" Botrys, L.	—		
Blitum capitatum, L.	—	—	Great Slave Lake.
AMARANTACEÆ.			
Amarantus particulatus, L.	—	•	Saskatchewan valley.
" retroflexus, L.	—		
" albus, L.	—		A weed at Carleton, on the [Saskatchewan.
Montelia tamariscina, Gray.	—		
POLYGONACEÆ.			
Polygonum Pennsylvanicum, L.	—		North-West coast of America?
" incarnatum, Ell.	—		

	Eastern Ontario.	Lake Sup'rior	Western and North western Extension.
Polygonum Persicaria, L.	—	—	Saskatchewan valley.
" Hydropiper, L.	—		Saskatchewan valley (indig.)
" hydropiperoides, Michx.	—		
" amphibium, L., var. aquaticum.	—	—	Great Slave Lake, lat. 60° N.
" amphibium, L., var. terrestre.	—		North-West America.
" aviculare, L.	—		North-West coast to lat. 65° N.
" ramosissimum, Michx.	—	—	
" sagittatum, L.	—	—	Saskatchewan valley.
" cilinode, Michx.	—	—	Saskatchewan valley.
" convolvulus, L.	—		Hudson's Bay to Peace River [valley, lat. 56° N.
" dumetorum, L.	—	—	
Fagopyrum esculentum, Moench.	—		
Rumex Patientia, L. (Colpoy's Bay).	—		
" orbiculatus, Gray.	—	—	Rocky Mts. and Arctic Sea c.
" Salicifolius, Wein. (Colpoy's Bay).	—	—	Great Bear Lake, McKenzie R.
" verticillatus, L.	—		
" crispus, L.	—		
" obtusifolius, L.	—	—	
" acetosella, L.	—	—	North-West Pacific coast.
LAURACEÆ.			
Sassafras officinale, Nees.			
Lindera Benzoin, Meisner.	—		
THYMELEACEÆ.			
Dirca palustris, L.	—		
ELEAGNACEÆ.			
Shepherdia Canadensis, Nutt.	—	—	Fort Franklin, on the McKenzie [and Rocky Mountains.
SANTALACEÆ.			
Comandra umbellata, Nutt.	—		Rocky Mountains, lat. 56° N.
SAURURACEÆ.			
Saururus cernuus, L.			
CERATOPHYLLACEÆ.			
Ceratophyllum demersum, L.	—	—	
CALLITRICACEÆ.			
Callitriche verna, L.	—	—	Rocky Mountains, lat. 56° N.
EUPHORBIACEÆ.			
Euphorbia polygonifolia, L. (R. aux Sables).	—	—	North-West Pacific coast.
" glyptosperma, Engelm.	—		
" maculata, L.	—		
" corollata, L.			
" platyphylla, L.			
" Helioscopia, L.	—		
Acalypha Virginica, L.	—	—	Saskatchewan valley.

	Eastern Ontario.	Lake Superior	Western and North-western Extension.
URTICACEÆ.			
Ulmus fulva, Michx.	—	—	
" Americana, L.	—	—	York Factory, Hudson's Bay.
" racemosa, Thomas.	—		
Urtica gracilis, Ait.	—	—	Fort Franklin, on the McKenzie [and Rocky Mountains.
Laportea Canadensis, Gaud.	—		
Pilea pumila, Gray.	—		
Boehmeria cylindrica, Willd.	—		
Cannabis Sativa, L.	—		
PLATANACEÆ.			
Platanus occidentalis, L.			
JUGLANDACEÆ.			
Juglans cinerea, L.	—		
" nigra, L.			
Carya alba, Nutt.	—		
" amara, Nutt.	—		
CUPULIFERÆ.			
Quercus alba, L.	—		Lake Winipeg.
" macrocarpa, Michx.	—		
" bicolor, Willd.	—		
" ilicifolia, Wang.			
" coccinea, Wang., var. tinctoria.	—		
" rubra, L.	—	—	Saskatcheman valley.
Castanea vesca, L., var. Americana.			
Fagus ferruginea, Ait.	—		
Corylus Americana, Walt.	—		North-West coast.
" rostrata, Ait.	—	—	Saskatchewan valley.
Carpinus Americana, Michx.	—		
Ostrya Virginica, Willd.	—		Lake Winipeg.
MYRICACEÆ.			
Myrica Gale, L.	—	—	McKenzie River valley.
BETULACEÆ.			
Betula papyracea, Ait.	—	—	Pacific coast, lat. 56° N.
" excelsa, Ait.	—	—	
" lenta, L.	—		
" pumila, L.	—		Peace River valley, lat. 56° N.
Alnus incana, Willd.	—	—	Ft. Franklin, on McKenzie Riv.
SALICACEÆ.			
Salix candida, Willd.	—	—	Ft. Norman, on the McKenzie.
" humilis, Marshall.	—		
" discolor, Muhl.	—	—	Saskatchewan valley.
" petiolaris, Smith.	—		Lake Winipeg.
" cordata, Muhl.	—	—	Great Slave Lake.
" livida, var. occidentalis.	—	—	Rocky Mountains, lat 53° N.
" lucida, Muhl.	—	—	Rocky Mountains, lat. 52° N.
" nigra, Marshall.	—	—	

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
Salix longifolia, Muhl.	—	—	West to the Pacific coast.
Populus tremuloides, Michx.	—	—	Rocky Mountains to lat. 64° N.
" grandidentata, Michx.	—		
" monilifera, Ait.	—		
" balsamifera, L.	—	—	Pacific coast, lat. 68° N.
CONIFERÆ.			
Pinus strobus, L.	—	—	West of the Rocky Mountains.
" resinosa, Ait.	—	—	West of the Rocky Mountains.
Abies nigra, Poir.	—	—	North to lat. 65° N.
" alba, Mx.	—	—	Almost to the Arctic Sea.
" Canadensis, Mx.	—	—	Pacific coast, lat. 57° N.
" balsamea, Marshall.	—	—	Little Slave Lake.
Larix Americana, Mx.	—	—	Peace River valley, lat. 57° N.
Thuja occidentalis, L.	—	—	Saskatchewan valley.
Juniperus communis, L.	—	—	Pacific coast.
" sabina, L., var. procumbens, Ph.		—	Rocky Mountains.
Taxus baccata, L., var. Canadensis, Gr.	—	—	Saskatchewan valley.
ARACEÆ.			
Arisæma triphyllum, Torr.	—		
Calla palustris, L.	—	—	Hudson's Bay and Saskatchewan valley.
Symplocarpus fœtidus.	—	—	
Orontium aquaticum.			
Acorus calamus.	—		Saskatchewan valley.
TYPHACEÆ.			
Typha latifolia, L.			
Sparganeum simplex, Hudson, var. angustifolium.	—	—	Great Bear Lake.
Sparganeum eurycarpum, Engelm.	—		
LEMNACEÆ.			
Lemna minor, L.	—		Lat. 58° N., on McKenzie River.
" trisulca, L.	—		Lat. 58° N., on McKenzie River.
" polyrrhiza, L.	—		Lat. 58° N., on McKenzie River.
NAIADACEÆ.			
Nais flexilis, Rostk.	—	—	
Potamogeton natans, L.	—	—	North-West coast.
" Claytonii, Tuck.	—		
" amplifolius, Tuck.	—		
" gramineus, L.	—		
" prælongus, Wulf.	—	—	Lake Athabaska.
" perfoliatus, L.	—	—	Great Slave Lake.
" compressus, L.	—	—	Lake Athabaska.
" pauciflorus, Pursh.	—	—	
" pusillus, L.	—		Lake Athabaska.
" pectinatus, L.	—	—	North-West coast.
" heterophyllus, Schreber.	—	—	Saskatchewan valley.

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
ALISMACEÆ.			
Triglochin palustre, L.	—	—	Peace River valley, lat. 56° N.
" maritimum, L., var. elatum.	—	—	North-West coast.
Scheuchzeria palustris, L.	—		Rocky Mountains, lat. 55° N.
Alisma Plantago, L., var. Americana, Gray.	—	—	Peace River valley, lat. 56° N.
Sagittaria variabilis, Engelm.	—	—	Pacific coast.
" calycina, Eng. (Dr. J. Bell).			
HYDROCHARIDACEÆ.			
Anacharis Canadensis, Plan.	—	—	Saskatchewan valley.
ORCHIDACEÆ.			
Orchis spectabilis, L.	—	—	
Habenaria virescens, Spreng.			Rocky Mountains, lat. 55° N.
" viridis, var. bracteata, Reich.	—	—	Ft. Franklin, on the McKenzie.
" hyperborea, R. Br.	—	—	North-West coast.
" dilatata, Gray.	—	—	Bear Lake and N. W. coast.
" obtusata, Rich.	—	—	Saskatchewan valley.
" orbiculata, Torrey.	—	—	
" psychodes, Gray.	—	—	
" tridentata, Hooker.	—		
" Hookeri, Torrey.	—	—	Rocky Mts. and Fort Franklin, [on the McKenzie.
Goodyera repens, R. Br.	—		
" Menziesii, Lind.	—		Ft. Franklin, on the McKenzie.
Spiranthes Romanzoviana, Chap.	—	—	N. W. coast, Sitka, Unalaska.
" gracilis, Bigel.	—	—	N. W. coast to Unalaska.
Listera cordata, R. Br.			
" convallarioides, Hook.	—		
Pogonia ophioglossoides, Nutt.	—	—	Bear Lake and Pacific coast.
Calopogon pulchellus, R. Br.	—		
Calypso borealis, Salisb.		—	Saskatchewan valley.
Lipularia discolor, Nutt.	—	—	Pacific coast.
Corallorhiza innata, R. Br.	—	—	
" multiflora, Nutt.	—		Saskatchewan valley.
" Macræi, Gray.	—		Rocky Mountains.
Cypripedium pubescens, Willd.	—		
" parviflorum, Salisb.	—		
" spectabile, Swartz.	—	—	Ft. Franklin, on McKenzie Riv.
" acaule, Ait.	—		Saskatchewan valley.
" arietinum, R. Br. (J. M. Buchan).	—		
AMARYLLIDACEÆ.			
Hypoxys erecta, L.	—		
IRIDACEÆ.			
Iris versicolor, L.	—	—	
" lacustris, Nutt.			Sitka and N. W. America.
Sisyrinchium Bermudiana, L.	—	—	

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
SMILACEÆ.			
Smilax hispida, Muhl.	—	—	
" herbacea, L.	—	—	Lake Winipeg.
LILIACEÆ.			
Trillium grandiflorum, Salisb.	—		North-West coast.
" erectum, L.	—	—	
" erectum, L., var. album, Pursh.	—		
" erythrocarpum, Michx.	—		
Medeola Virginica, L.	—		
Zygadenus glaucus, Nutt.	—		Great Bear Lake & Rocky Mts.
Tofieldia glutinosa, Willd.		—	Bear Lake to Sitka Sound.
Uvularia grandiflora, Smith.	—		Saskatchewan valley.
Streptopus roseus, Michx.	—	—	North-West coast.
Clintonia borealis, Raf.	—	—	Saskatchewan valley.
Smilacina racemosa, Desf.	—	—	North-West America.
" stellata, Desf.	—	—	North-West coast.
" trifolia, Desf.	—	—	Bear Lake and Rocky Mts.
" bifolia, Ker.	—	—	North-West coast.
Polygonatum biflorum, Ell.	—	—	Saskatchewan valley.
Lilium Philadelphicum, L.	—	—	Rocky Mountains.
" Canadense, L.	—		North-West coast.
Erythronium Americanum, Smith.	—		
Allium tricoccum, Ait.	—		
" Schœnoprasum, L.		—	North-West coast.
JUNCACEÆ.			
Luzula pilosa, Willd.	—	—	Saskatchewan valley.
Juncus alpinus, Vill., var. insignis, Fries.	—	—	Great Slave Lake.
" articulatus, L.	—	—	
" Balticus, Willd.	—	—	North-West coast.
" bufonius, L.	—		North-West coast.
" Canadensis, J. Gay, var. coarctatus, Eng.	—	—	Bear Lake.
" effusus, L.	—	—	North-West coast.
" filiformis, L.	—	—	Bear Lake.
" nodosus, L.	—	—	Bear Lake.
" tenuis, Willd.	—		Rocky Mts. and Bear Lake.
" Stygius, L. (R. Bell, La Cloche Island).			
PONTEDERIACEÆ.			
Pontederia cordata, L.	—	—	Saskatchewan valley.
ERIOCAULONACEÆ.			
Eriocaulon septangulare, Wish.	—		Saskatchewan valley.
EQUISETACEÆ.			
Equisetum arvense, L.	—	—	Rocky Mountains.
" pratense, Ehr.	—	—	Rocky Mountains.
" sylvaticum, L.	—	—	Ft. Franklin, on the McKenzie.

	Eastern Ontario.	Lake Sup'rior	Western and North-western Extension.
Equisetum limosum, L.	—	—	Saskatchewan valley.
" palustre, L.	—		Arctic Sea coast.
" hyemale, L.	—	—	Western coast.
" variegatum, Schleich.	—	—	Saskatchewan val. to Arctic Is.
" scirpoides, Michx.	—		Peace River valley, lat. 56° N.
FILICES.			
Polypodium vulgare, L.	—	—	Vancouver Isl. and N. W. coast.
Pellæa gracilis, Hook.	—	—	Saskatchewan valley.
" atropurpurea, Link.			Rocky Mts. and Bear Lake.
Pteris aquilina, L.	—	—	North-West coast.
Adiantum pedatum, L.	—	—	North-West coast.
Scolopendrium vulgare, Smith.	—		Saskatchewan valley.
Camptosorus rhizophyllus, Link.	—	—	North-West coast.
Asplenium trichomanes, L.			Rocky Mountains.
" viride, Hudson.	—		
" angustifolium, Mx.	—	—	
" thelypteroides, Mx.	—	—	Sitka and N. W. coast.
" Filix-femina, Bruh.	—	—	Bear Lake and Rocky Mts.
Phegopteris Dryopteris, Fée.			Rocky Mountains.
Aspidium lonchitis, Schw.	—	—	
" acrostichoides, Schw.	—		
" Thelypteris, Schw.	—		
" Noveboracense, Schw.			
" spinulosum, Schw., var. intermedium, Willd.	—	—	Rocky Mountains.
" spinulosum, Schw., var. Bootii, Gray.	—		
" cristatum, Schw.	—	—	Saskatchewan valley.
" cristatum, Schw., var. Clintonianum, Eat.	—		
" Goldianum, Hooker.	—		
" Filix-mas, Schw.		—	
" marginale, Swartz.	—	—	Saskatchewan valley.
Struthiopteris Germanica, Willd.	—	—	Saskatchewan valley.
Onoclea sensibilis, L.	—	—	Saskatchewan valley.
Cystopteris fragilis, Bernh.	—	—	Rocky Mountains.
" bulbifera, Bernh.	—		
Osmunda regalis, L.	—	—	Saskatchewan valley.
" Claytoniana, L.	—	—	
" cinnamomea, L.	—		
Botrychium ternatum, Swartz, var. lunarioides, Milde.	—	—	Peace River valley, lat. 56° N.
Botrychium Virginicum, Swartz.	—	—	North-West coast.
LYCOPODIACEÆ.			
Lycopodium lucidulum, Michx.	—	—	Peace River valley, lat. 56° N.
" annotinum, L.	—	—	Slave Lake.
" dendroideum, Mx.	—	—	Saskatchewan valley.
" clavatum, L.	—	—	North-West coast.
" complanatum, L.	—	—	Peace River valley, lat. 56° N.
Selaginella selaginoides, Link.		—	Saskatchewan valley.
" rupestris, Spring.	—	—	North-West coast.
" apus, Spring.	—		

In the following list no distribution has been attempted, inasmuch as we are yet in comparative ignorance regarding their range through British North America:

CYPERACEÆ.

Cyperus diandus, Torr.
Dulichium spathaceum, Rich.
Eleocharis obtusa.
" palustris, R. Br.
" acicularis, Torr. and Gr.
Scirpus pauciflorus, Light.
" cæspitosus, L.
" pungens, Vahl.
" riparius, Presl.
" sylvaticus, L.
" atrovirens, Muhl.
" Eriophorum, Michx.
Eriophorum alpinum, L.
" polystachyon, L.
" Virginicum, L.
" gracile, Koch.
Rhynchospora alba, Vahl.
" capillacea, Torr.
Cladium mariscoides, Torr.
Scleria verticillata, Muhl.
Carex gynocrates, Wormsk.
" monosperma, Macoun.
" scirpoidea, Michx.
" polytrichoides, Muhl.
" siccata, Dewey.
" teretiuscula, Good.
" vulpinoidea, Michx.
" stipata, Muhl.
" rosea, Schk.
" tenella, Schk.
" trisperma, Dewey.
" canescens, L.
" Deweyana, Schw.
" stellulata, Good.
" sychnocephala, Carey.
" scoparia, Schk.
" straminea, Schk.
" stricta, Lam.
" aquatilis, Wahl.
" lenticularis, Michx.
" limosa, L.
" irrigua, Smith.
" Buxbaumii, Willd.
" aurea, Nutt.
" livida, Willd.
" tetanica, Schk.
" Crawei, Dewey.
" granularis, Dewey.
" gracillima, Schw.
" plantaginea, Lam.
" platyphylla, Cary.

CYPERACEÆ—*Continued.*

Carex laxiflora, Lam.
" eburnea, Booth.
" vaginata, Tausch.
" pedunculata, Muhl.
" Pennsylvanica, Lam.
" varia, Muhl.
" scabrata, Schw.
" arctata, Boott.
" flexilis, Rudge.
" flava, L.
" Œderi, Ehrh.
" filiformis, L.
" lanuginosa, Michx.
" riparia, Curtis.
" Pseudo-Cyperus, L.
" hystricina, Willd,
" intumescens, Rudge.
" lupulina, Muhl.
" retrosa, Schw.
" utriculata, Boott.
" Tuckermani, Boott.

GRAMINEÆ.

Leersia oryzoides, Swartz.
Zizania aquatica, L.
Alopecurus aristulatus, Mx.
Phleum pratense, L.
Vilfa vaginæflora, Torr.
Sporobolus heterolepis, Gray.
" cryptandrus, Gray.
Agrostis scabra, Willd.
" vulgaris, Willd.
" alba, L.
Cinna arundinacea, L.
Muhlenbergia glomerata, Trin.
" Mexicana, Trin.
Brachyelytrum aristatum, Beauv.
Calamagrostis Canadensis, Beauv.
" stricta, Trin.
" arenaria, Roth.
Oryzopsis asperifolia, Michx.
Spartina cynosuroides, Willd.
Graphephorum melicoides, Beauv.
Eatonia obtusata, Gray.
" Pennsylvanica, Gray.
Glyceria nervata, Trin.
" pallida, Trin.
" aquatica, Smith.
" fluitans, R. Brown.
Poa annua, L.

GRAMINEÆ—*Continued.*

Poa serotina, Ehrh.
" cæsia, Smith.
" pratensis, L.
" compressa, L.
Festuca ovina, L. var.
" nutans, Willd.
Bromus secalinus, L.
" ciliatus, L.
Phragmites communis, Trin.
Triticum repens, L.
Elymus Virginicus, L.
" Canadensis, L.
Gymnostichum Hystrix, Schreb.
Aira flexuosa, L.
" cæspitosa, L.
Danthonia spicata, Beauv.
Avena striata, Michx.
Phalaris arundinacea, L.
Milium effusum, L.
Panicum glabrum, Gand.
" capillare, L.
" virgatum, L.
" latifolium, L.
" xanthophysum, Gray.
" dichotomum, L.
" depauperatum, Muhl.
" Crus-Galli, L.
Setaria verticillata, Beauv.
" glauca, Beauv.
" viridis, Beauv.
Andropogon furcatus, Muhl.
" scoparius, Michx.
Sorghum nutans, Gray.

MUSCI.

Sphagnum cymbifolium, Dill.
" acutifolium, Ehrh.
Gymnostomum curvirostrum, Hed.
" calcareum, Nees.
" rupestre, Schw.
Seligera recurvata, Br. and Sch.
" pusilla, Br. and Schimp.
Anodus Dormianus, Br. and Schimp.
Trematodon ambigua, James.
Dicranum viridis, Sulliv.
" virens, Hedw.
" varium, Hedw.
" heteromallum, Hedw.
" Schreberi, Hedw.
" montanum, Hedw.
" flagillare, Hedw.
" fulvum, Hook.
" congestum, Hedw.
" scoparium, L.
" Schraderi, Web and Mohr.
" undulatum, Torr.
" Drummondii, Mull.

MUSCI—*Continued.*

Ceratodon purpureus, Brid.
Leucobryum glaucum, Hampe.
Fissidens minutulus, Sulliv.
" incurvis, Sulliv.
" osmundioides, Hedw.
" adiantoides, Hedw.
" grandifrons, Brid.
" taxifolius, Brid.
Trichostimum rigidulum, Smith.
" pallidum, Hedw.
" glaucescens, Hedw.
" tophaceum, Brid.
Barbula ungureulata, Hedw.
" convoluta, Hedw.
" fallax, Hedw.
" tortuosa, Web and Mohr.
" ruralis, Hedw.
Didymodon rubellus, Br. and Sch.
" luridus, Hornich.
" cylindricus, Bruch.
Distichium capillaceum, Bruch.
Tetraphis pellucida, Hedw.
Encalypta ciliata, Hedw.
" streptocarpa, Hedw.
Drummondia clavatella, Hook.
Orthotrichum anomalum, Hedw.
" strangulatum, Bruch.
" Ohioense, Sulliv.
" speciosum, Nees.
" leiocarpum, Br.
" Ludwigii, Schw.
" Hutchinsæa, Smith.
" crispum, Hedw.
" crispulum, Hornsch.
" Bruchii, Brid.
" Americanum, Mit.
Schistidium apocarpum, Br.
Hedwigia ciliata, Ehrh.
Diphyscium foliosum, Web.
Atrichum angustatum, Br.
" undulatum, Beauv.
Polytrichum commune, L.
" formosum, Hedw.
" gracile, Menzies.
" juniperinum, Hedw.
Timmia megapolitina, Hech.
Aulacomnion heterostichum, Br.
Aulicomnion palustre, Schw.
Bryum pyriforme, Hedw.
" amiotinum, Hedw.
" albicans, Whl.
" nutans, Schreb.
" roseum, Schreb.
" argenteum, L.
" Pseudo-triquetrum, Hedw.
" Duvallii, Voit.
" bimum, Schreb.

MUSCI—*Continued.*

Bryum intermedium, Brid.
" capillare, Hedw.
" cæspiticium, L.
" pallescens, Schw.
" Blindii.
Mnium affine, Bland.
" orthorhynchum, Brid.
" stellare, Hedw.
" lycopodioides, Hook.
" punctatum, Hedw.
" serratum, Brid.
" spinulosum, Bry. Enop.
" Drummondii, Br. and Sch.
" cuspidatum, Hedw.
" rostratum, Schw.
Bartramia Olderi, Swartz.
" pomiformis, Hedw.
" fontana, Brid.
" Marchica, Brid.
" calcarea, Br. and Sch.
Meesia uliginosa, Hedw.
Cotoscopium nigritium, Brid.
Funaria hygrometrica, Hedw.
Fontinalis antypyretica, L.
Leucodon julaceus, Sulli.
Leptodon trichomitriom. Mohr.
Anomodon viticulosus, Host.
" apiculatus, Br. and Sch.
" obtusifolius, Br. and Sch.
" attenuatus, Hedw.
Leskea nervosa, Schw.
" rostrata, Hedw.
" Woolei, Austin.
Thelia hirtella, Sulliv.
Mymella Careyana, Sulliv.
" julacea, Bry. Enop.
Pylaisæa intricata, Br. Enop.
" polyantha, Br. Europ.
Platygynium repens, Br. Europ.
Cylindrothecium cladorrhizans, Hedw.
Neckera pennata, Hedw.
Omallia trichomanoides, Brid.
Climacium Americanum, Brid.
" dendroides, Dill.
Hypnum tamariscinum, Hedw.
" deticatulum, L.
" minututum, Hedw.
" scitum, Beauv.
" gracile, Br. and Sch.
" abietinum, L.
" Blandovii, Web.
" trigenteum, L.
" splendens, Hedw.
" brevirostre, Ehrh.
" Oakesii, Sulliv.
" Alleghaniense, C. Mull.
" strigosum, Hoffm.

MUSCI—*Continued.*

Hypnum deplanatum, Schimp.
" rusciforme, Weis.
" Sullivantii, R. Spruce.
" recurvans, Schw.
" Schraderi, Willd.
" cordifolium, Hedw.
" giganteum, Schimp.
" scorpioides, L.
" Cononi, Br. and Schimp.
" trifarium, Weis.
" uncinatum, Hedw.
" fidicinum, L.
" Crista-Castriense, L.
" imponens, Hedw.
" reptile, Michx.
" curvifolium, Hedw.
" Haldanianum, Grev.
" fertile, Lendtn.
" nitens, Schreb.
" salebrosum, Hoffm.
" lætum, Brid.
" acuminatum, Beauv.
" rutabulum, L.
" velutinum, L.
" rivulare, L.
" pratense, Hook.
" hispidulum, Brid.
" polymorphum, Bry. Em.
" Somerfeltii, Mypin.
" chrysophyllum, Brid.
" minutissimum, Sulliv.
" subtile, Hoffm.
" plumosum, L.
" populeum, Hedw.
" aduncum, Hedw.
" reflexum, Starke.
" adnatum, Sulliv.
" noterophyllum, Sulliv.
" serpens, Hedw.
" confervoides, Schw.
" radicale, Brid.
" orthocladon, Beauv.
" riparium, Hedw.
" denticulatum, L.
" pulchellum, Dick.
" turfaceum, Lindb.
" compactum, C. Mull.
" palustre, L.
" nitidulum, L.
" sylvaticum, L.

HEPATICÆ.

Marchantia polymorpha, L.
Preissia commutata, Nees.
Fegatella conica, Corda.
Aneura latifrons, Lind.
Steetzia Blyttii, Moanch.

HEPATICÆ—*Continued.*

Geocalyx graveolens, Nees.
Lophocolea heterophylla, Nees.
" crocata, Nees.
Jungermannia trichophylla, L.
" connivens, Dick.
" curvifolia, Dick.
" Schraderi, Martin.
Scapania Peckii, Austin.
" nemorosa, Nees.
Sphanæcetis Hubnaria, Raben.
Plagiochela porelloides, Lind.
Frullania Grayana, Montag.
" Virginica, Gott.

HEPATICÆ—*Continued.*

Frullania Eboracensis, Lehm.
Jejeunia serphyllifolia, Libert.
Madotheca platyphylla, Dumut.
" porella, Nees.
Radula complanata, Du.
Ptilidium ciliare, Nees.
Trichocolea Tormentilla, Nees.
Mastigobryum trilobatum, Nees.
Lepidoza reptans, Nees.
Calypogia Trichomanes, Cerda.
Jungermannia cordifolia, Hook.
Riccia Sorocarpa, Bisch.
Chylocyphus ascendens, Sulliv.